

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115691.D
 Acq On : 20 Jul 2019 00:07
 Operator : HP/JU
 Sample : K3868-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 04:00:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	230386	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	873184	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	379446	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	579949	20.00	ng	0.00
76) Chrysene-d12	14.04	240	379161	20.00	ng	0.00
87) Perylene-d12	15.52	264	341048	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1164989	82.71	ng	0.00
7) Phenol-d6	6.52	99	1539547	86.14	ng	0.00
23) Nitrobenzene-d5	7.44	82	963553	64.16	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	315782	71.30	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1572681	72.54	ng	-0.01
79) Terphenyl-d14	12.99	244	1212728	59.02	ng	0.00

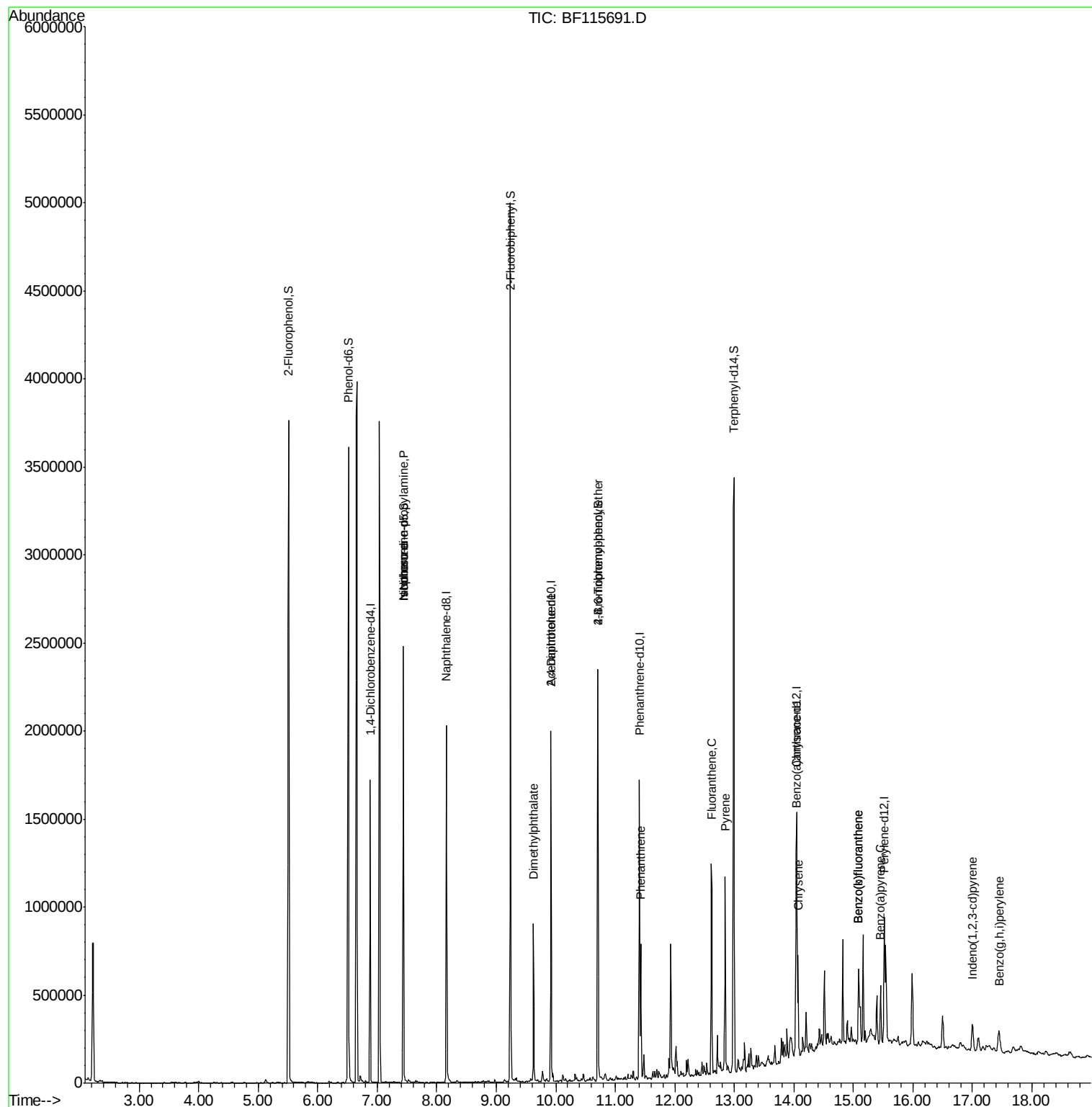
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	129327	11.095	ng	# 79
25) Isophorone	7.44	82	950549	31.633	ng	# 64
50) Dimethylphthalate	9.63	163	317640	11.126	ng	98
57) 2,4-Dinitrotoluene	9.92	165	50295	5.984	ng	# 24
67) 4-Bromophenyl-phenylether	10.71	248	19384	2.925	ng	# 1
71) Phenanthrene	11.43	178	250468	8.425	ng	96
75) Fluoranthene	12.62	202	473612	15.076	ng	99
78) Pyrene	12.85	202	445009	13.853	ng	97
81) Benzo(a)anthracene	14.03	228	211004	8.447	ng	99
83) Chrysene	14.07	228	209707	8.363	ng	97
86) Indeno(1,2,3-cd)pyrene	17.00	276	91562	4.298	ng	97
88) Benzo(b)fluoranthene	15.09	252	325521	14.823	ng	98
89) Benzo(k)fluoranthene	15.09	252	325521	16.626	ng	99
90) Benzo(a)pyrene	15.46	252	158309	8.387	ng	99
92) Benzo(a,h,i)perylene	17.44	276	94479	5.717	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115691.D
Acq On : 20 Jul 2019 00:07
Operator : HP/JU
Sample : K3868-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 20 04:00:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration



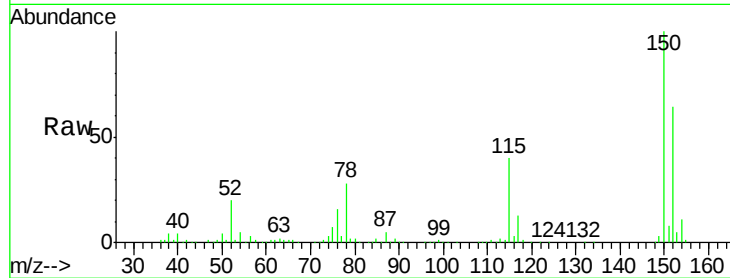


#1

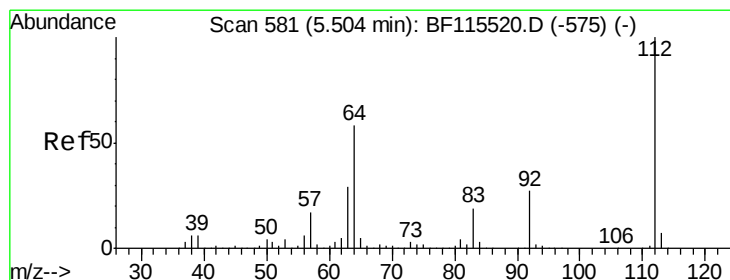
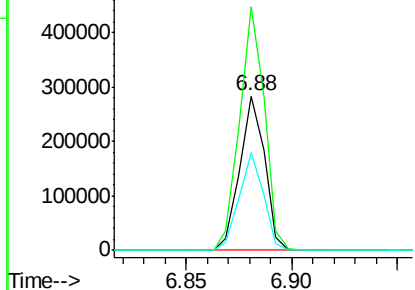
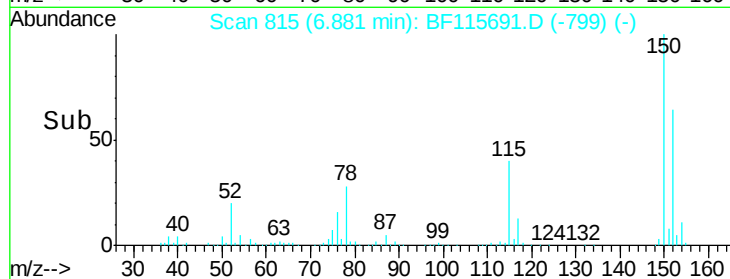
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF115691.D
 Acq: 20 Jul 2019 00:07

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:152 Resp: 230386
 Ion Ratio Lower Upper
 152 100
 150 157.5 129.7 194.5
 115 63.3 48.2 72.4



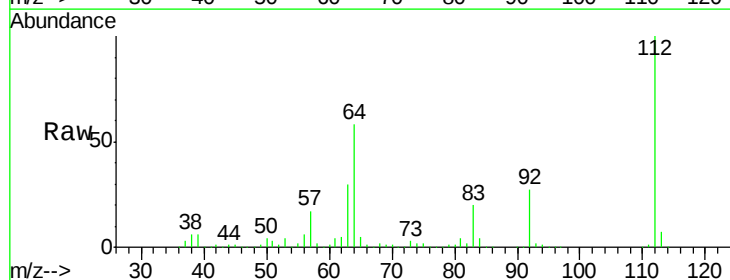
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



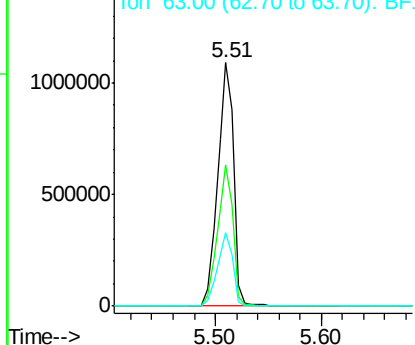
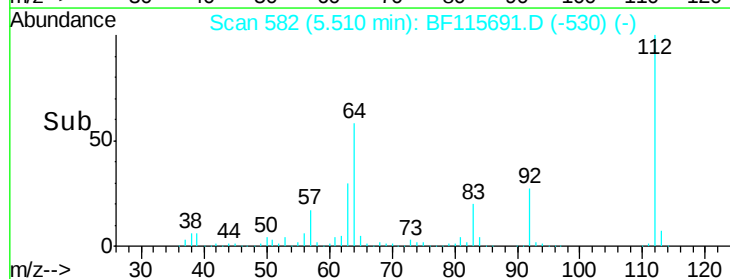
#5

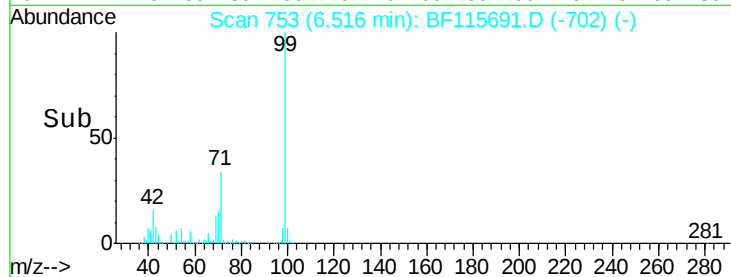
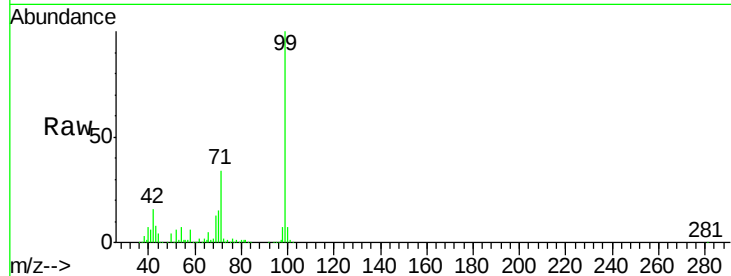
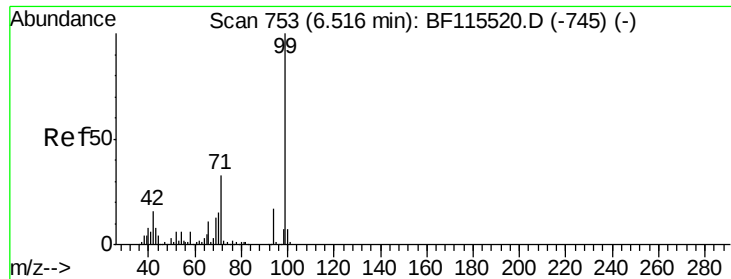
2-Fluorophenol
 Concen: 82.713 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF115691.D
 Acq: 20 Jul 2019 00:07

Tgt Ion:112 Resp: 1164989
 Ion Ratio Lower Upper
 112 100
 64 57.9 46.8 70.2
 63 30.3 24.1 36.1



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 86.143 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115691.D

Acq: 20 Jul 2019 00:07

Instrument :

BNA_F

ClientSampleId :

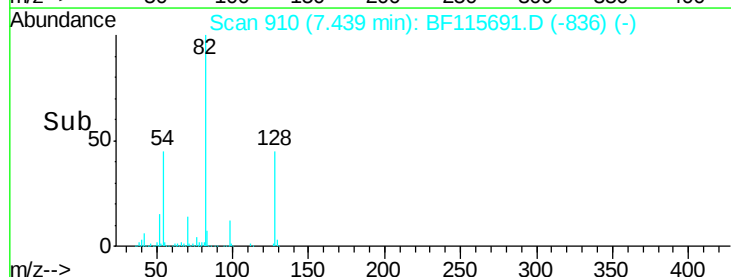
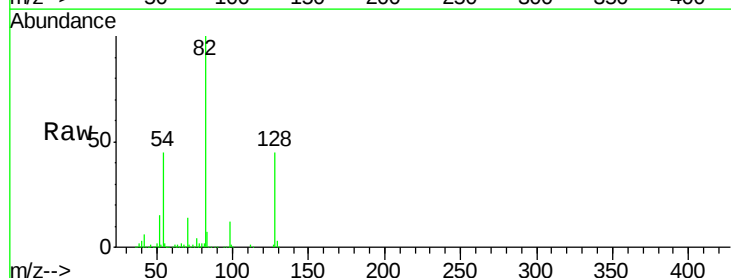
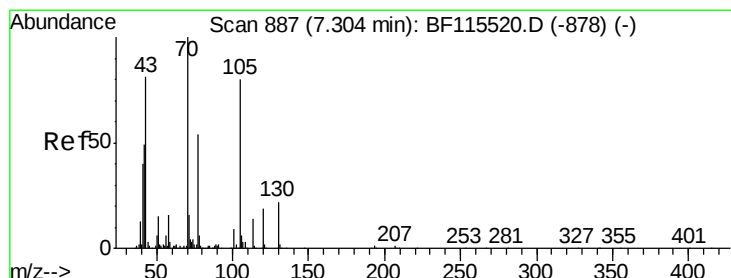
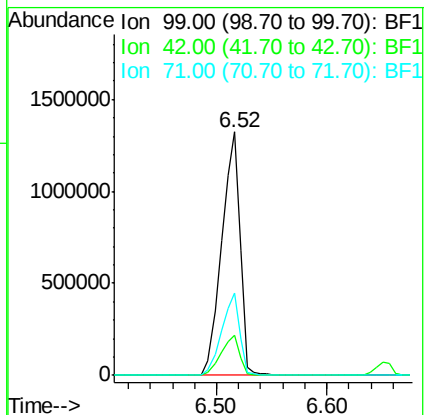
Tot Ion: 99 Resp: 1539547

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

71 33.9 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.095 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115691.D

Acq: 20 Jul 2019 00:07

Tgt Ion: 70 Resp: 129327

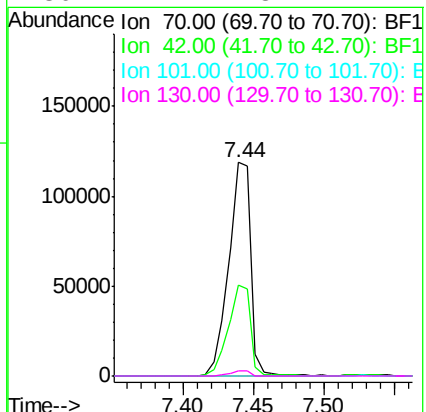
Ion Ratio Lower Upper

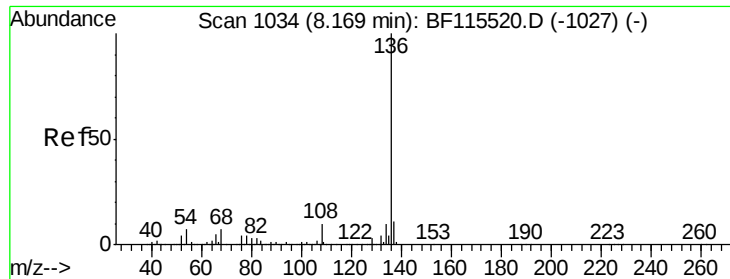
70 100

42 42.5 39.6 59.4

101 0.0 8.1 12.1#

130 2.1 18.2 27.2#

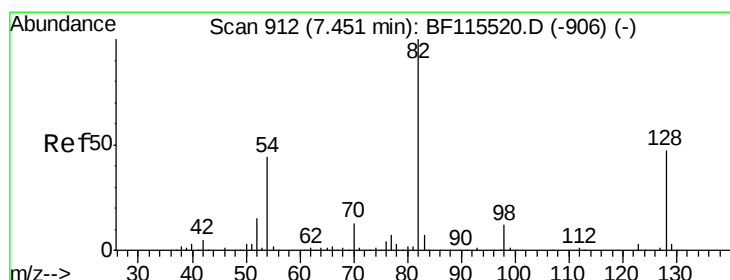
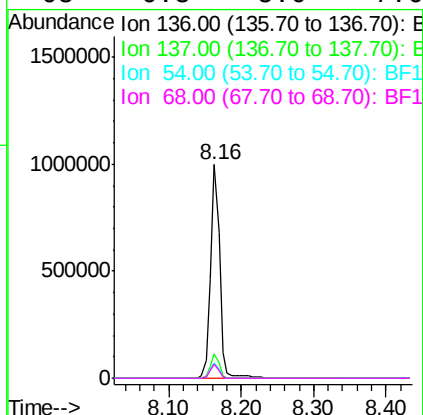
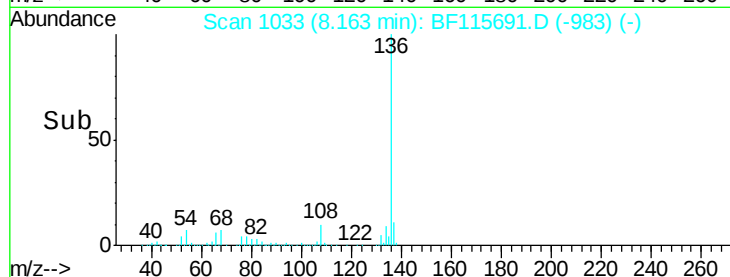
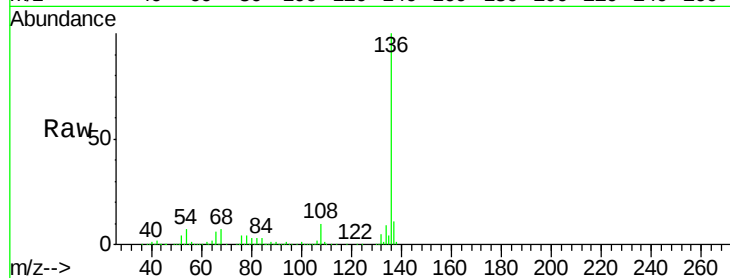




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115691.D
Acq: 20 Jul 2019 00:07

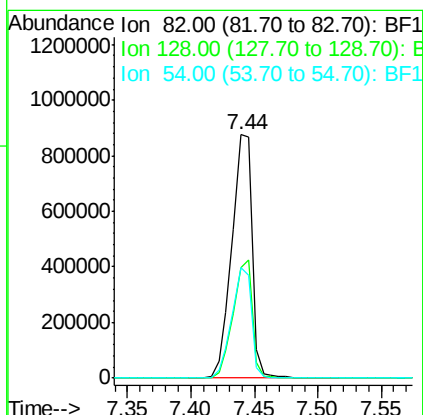
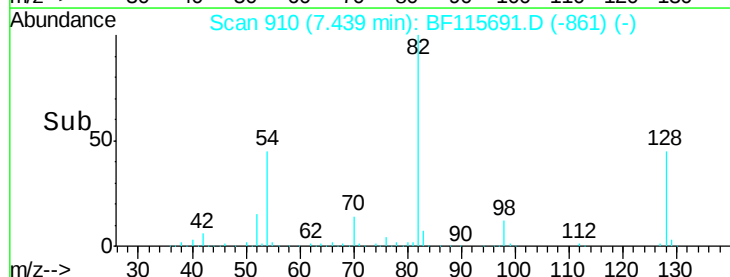
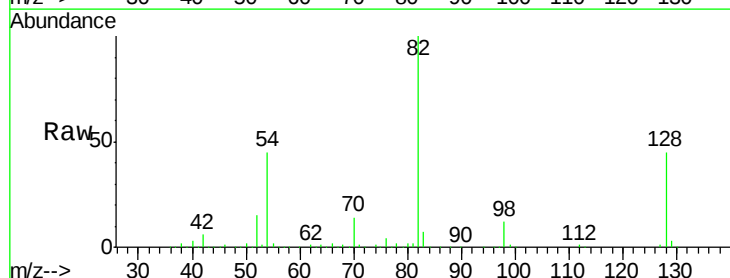
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	873184
Ion Ratio	Lower	Upper
136 100		
137 11.3	9.0	13.4
54 7.4	5.6	8.4
68 6.8	5.0	7.6



#23
Nitrobenzene-d5
Concen: 64.164 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115691.D
Acq: 20 Jul 2019 00:07

Tgt Ion: 82	Resp: 963553
Ion Ratio	Lower Upper
82 100	
128 45.4	38.6 57.8
54 45.4	35.6 53.4





#25

Isophorone

Concen: 31.633 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115691.D

Acq: 20 Jul 2019 00:07

Instrument :

BNA_F

ClientSampleId :

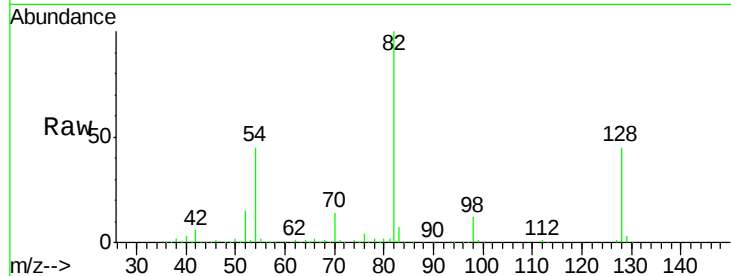
Tot Ion: 82 Resp: 950549

Ion Ratio Lower Upper

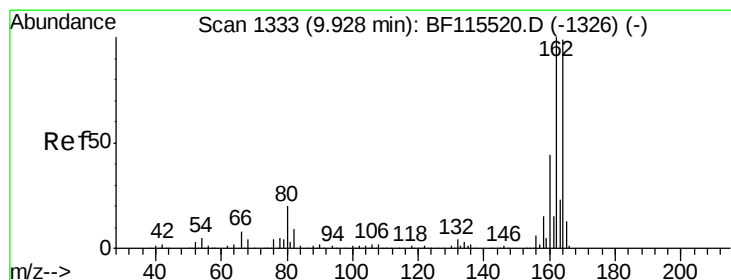
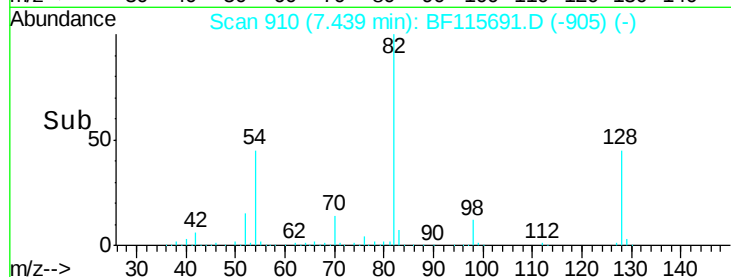
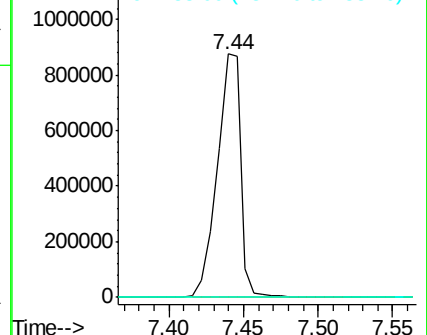
82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF115691.D

Acq: 20 Jul 2019 00:07

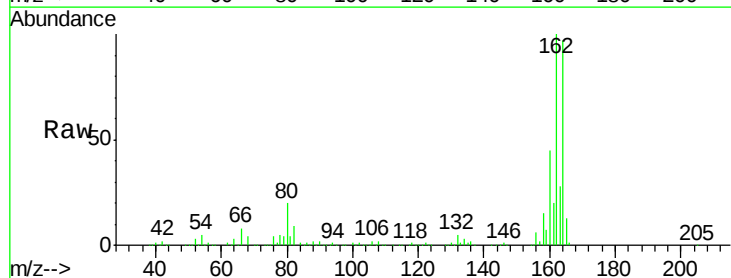
Tgt Ion:164 Resp: 379446

Ion Ratio Lower Upper

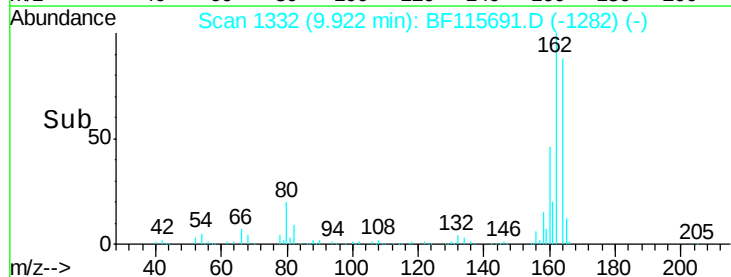
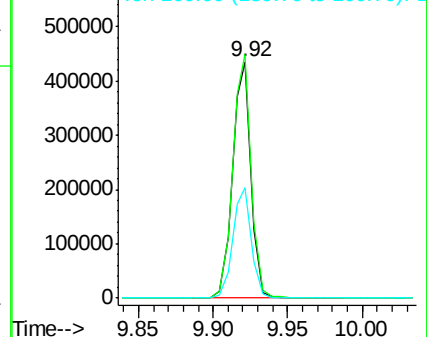
164 100

162 102.9 82.9 124.3

160 46.8 36.8 55.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

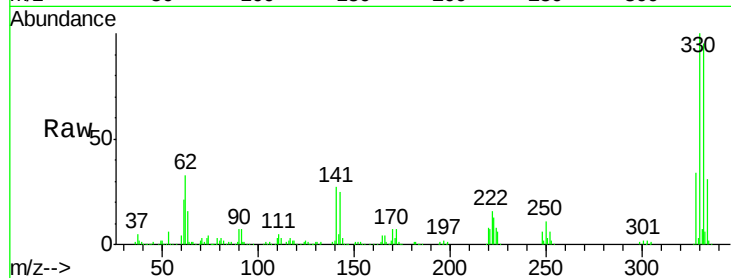




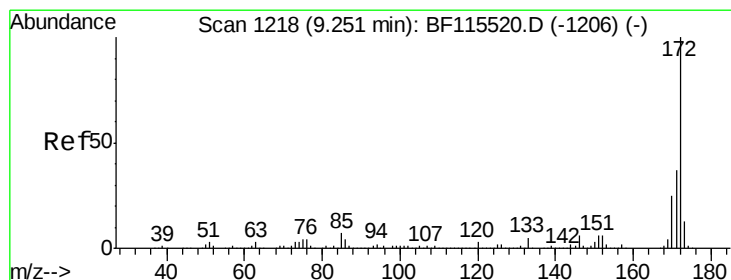
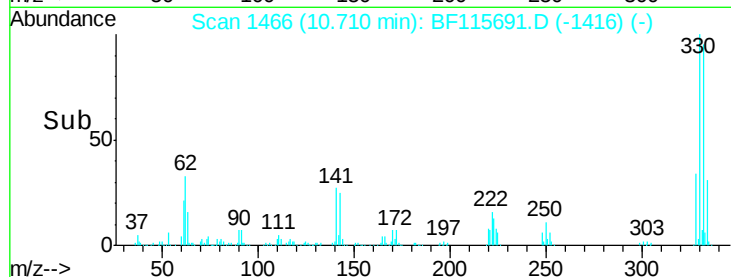
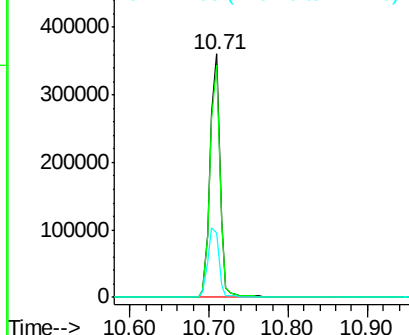
#42
 2,4,6-Tribromophenol
 Concen: 71.298 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF115691.D
 Acq: 20 Jul 2019 00:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 315782
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.2
 141 32.8 22.4 33.6

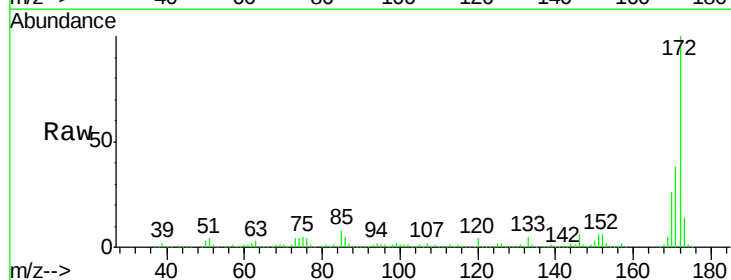


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

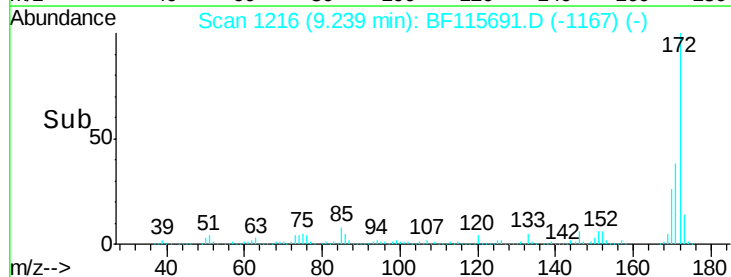
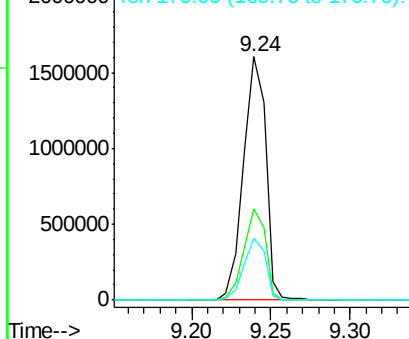


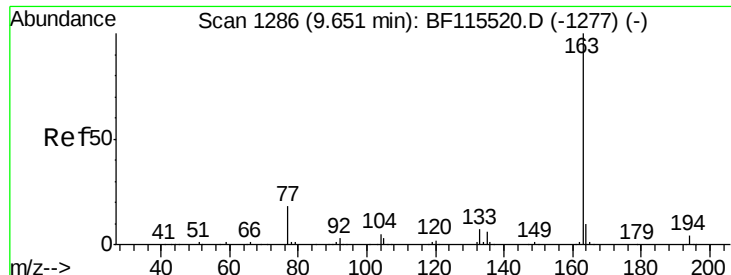
#45
 2-Fluorobiphenyl
 Concen: 72.544 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF115691.D
 Acq: 20 Jul 2019 00:07

Tgt Ion:172 Resp: 1572681
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.6 46.0
 170 25.5 20.5 30.7



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

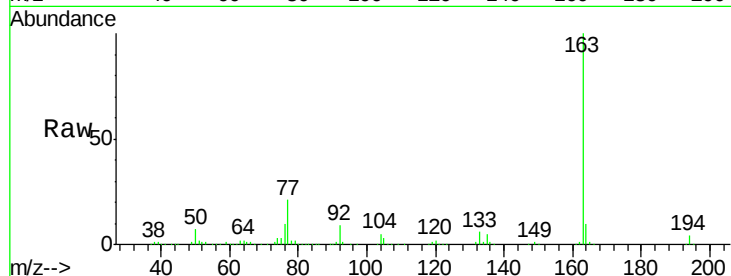




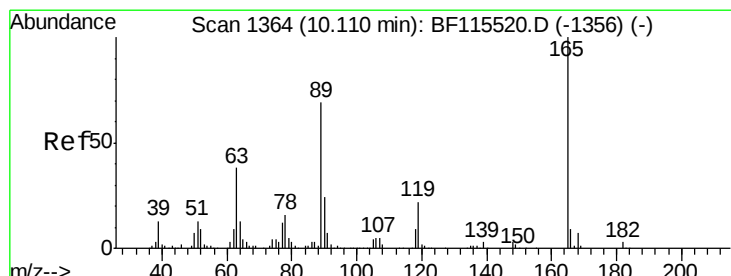
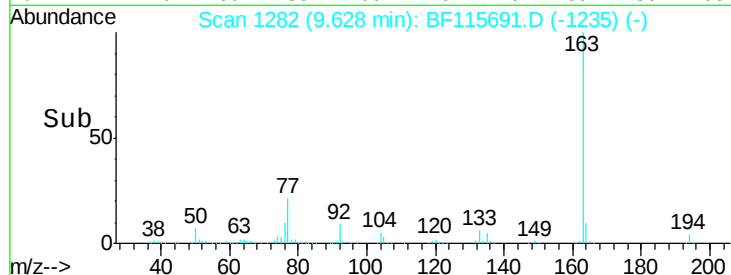
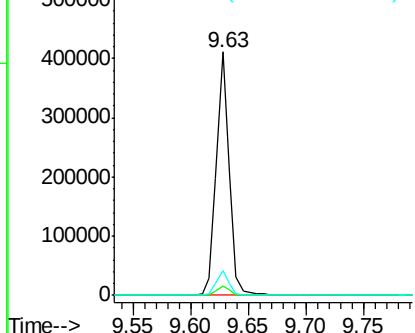
#50
Dimethylphthalate
Concen: 11.126 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115691.D
Acq: 20 Jul 2019 00:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 317640
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.1 8.7 13.1

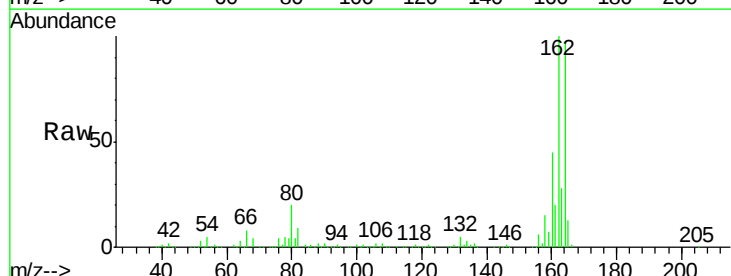


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

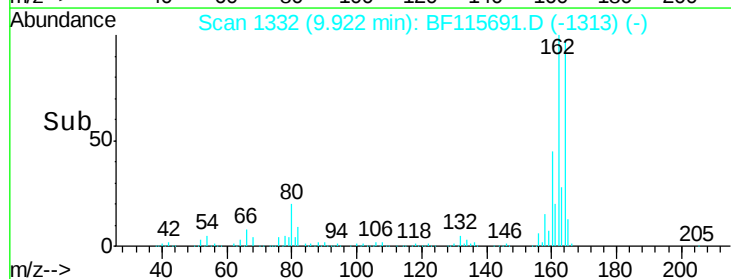
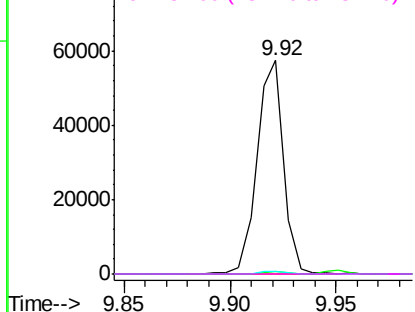


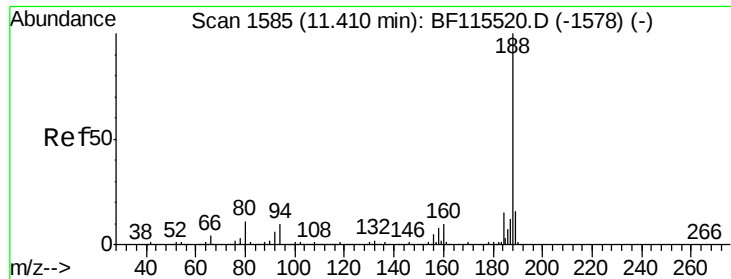
#57
2,4-Dinitrotoluene
Concen: 5.984 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.19 min
Lab File: BF115691.D
Acq: 20 Jul 2019 00:07

Tgt Ion:165 Resp: 50295
Ion Ratio Lower Upper
165 100
63 1.5 34.9 52.3#
89 1.4 57.5 86.3#
182 0.0 2.2 3.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115691.D

Acq: 20 Jul 2019 00:07

Instrument :

BNA_F

ClientSampleId :

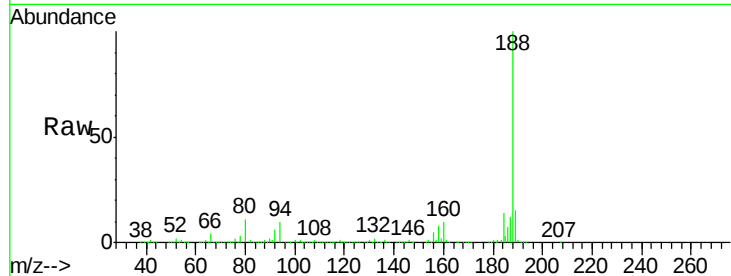
Tot Ion:188 Resp: 579949

Ion Ratio Lower Upper

188 100

94 10.1 7.8 11.6

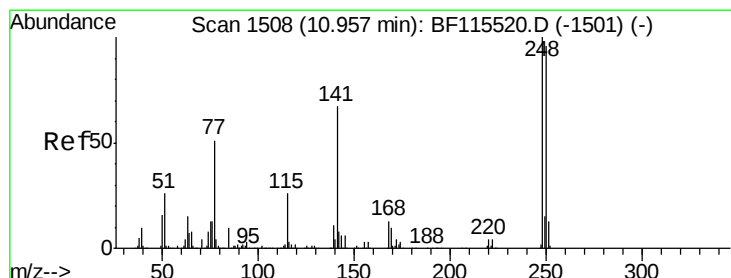
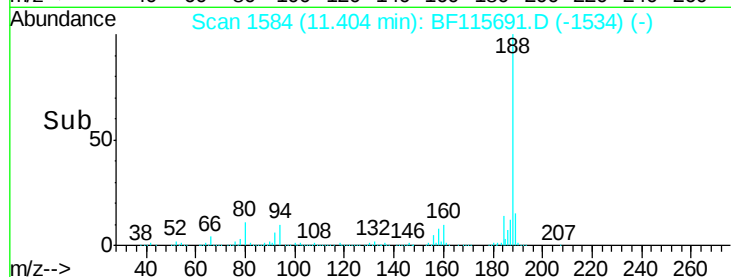
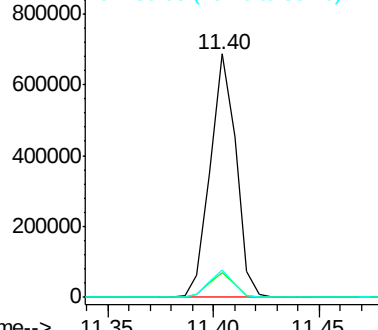
80 11.0 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 2.925 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF115691.D

Acq: 20 Jul 2019 00:07

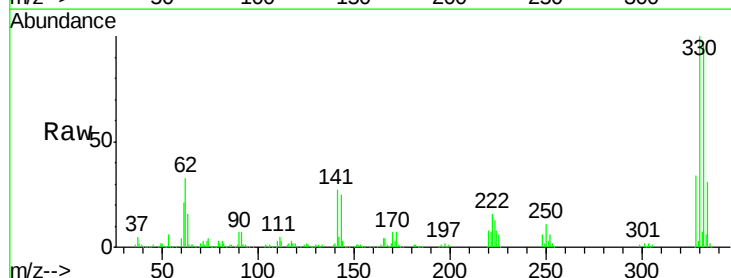
Tgt Ion:248 Resp: 19384

Ion Ratio Lower Upper

248 100

250 195.9 78.0 117.0#

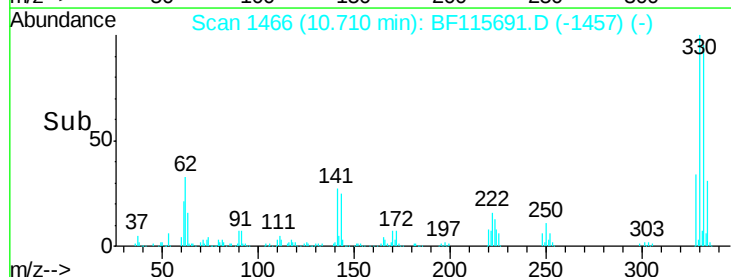
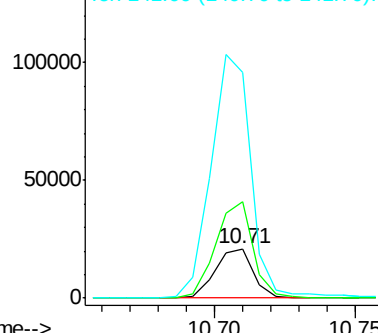
141 455.7 57.7 86.5#

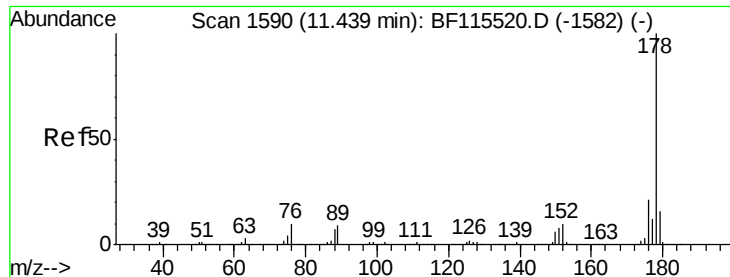


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

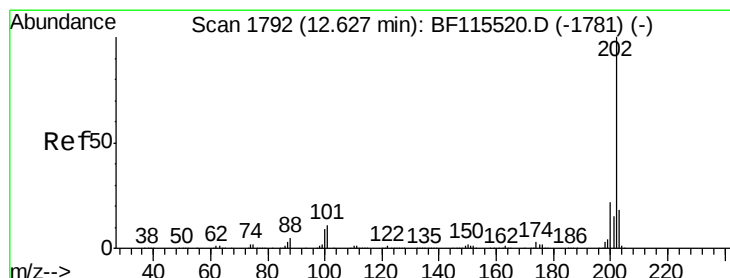
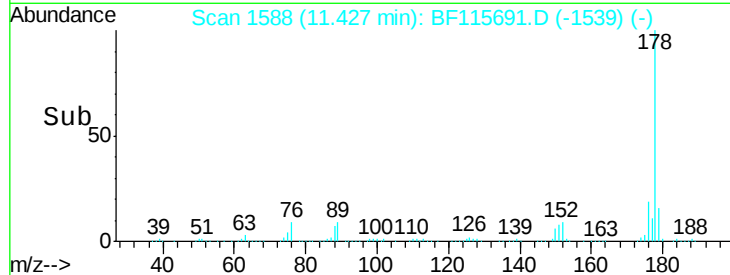
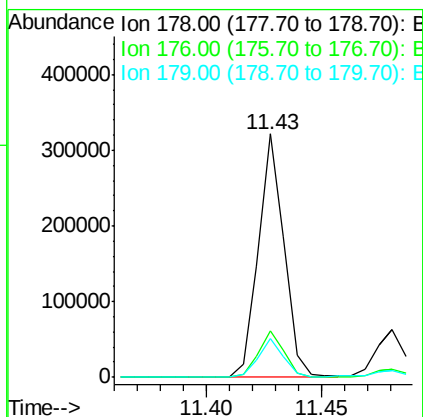
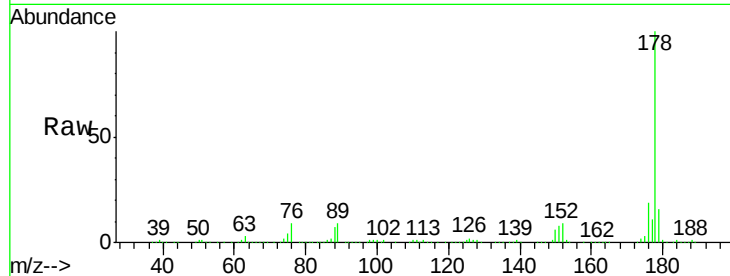




#71
Phenanthrene
Concen: 8.425 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115691.D
Acq: 20 Jul 2019 00:07

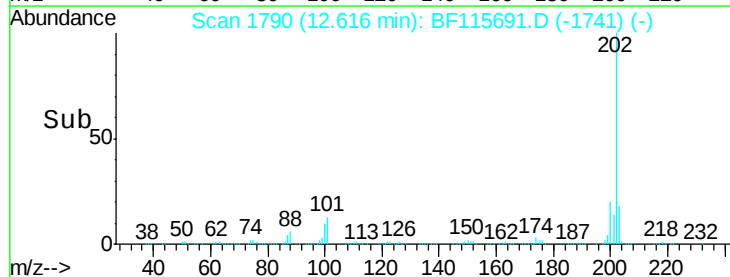
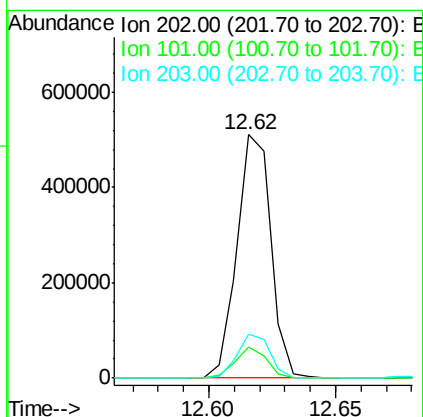
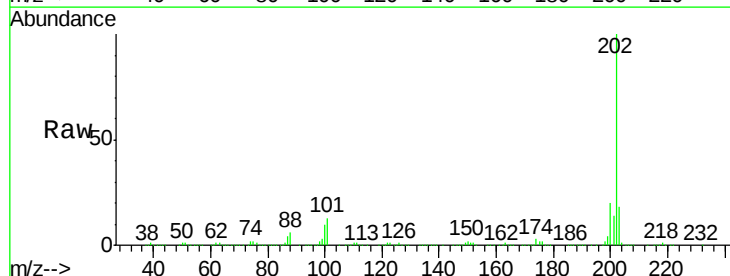
Instrument :
BNA_F
ClientSampleId :

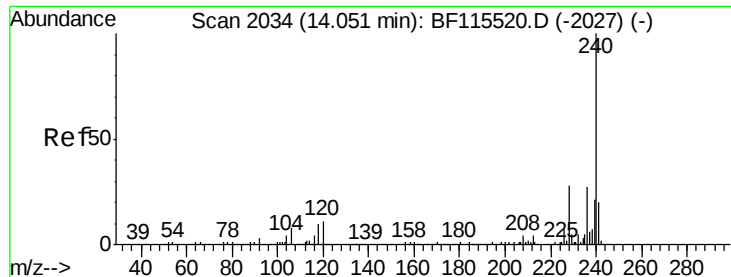
Tot Ion:178 Resp: 250468
Ion Ratio Lower Upper
178 100
176 19.3 17.2 25.8
179 15.9 13.5 20.3



#75
Fluoranthene
Concen: 15.076 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF115691.D
Acq: 20 Jul 2019 00:07

Tgt Ion:202 Resp: 473612
Ion Ratio Lower Upper
202 100
101 12.8 0.0 31.4
203 18.1 0.0 38.1

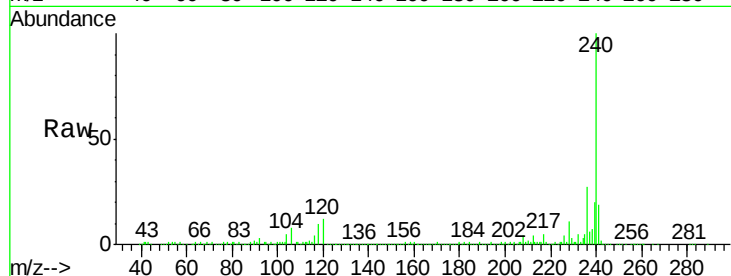




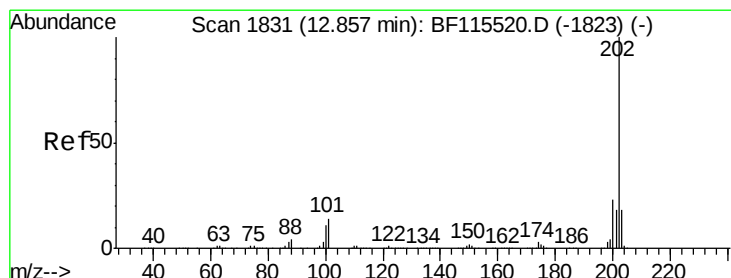
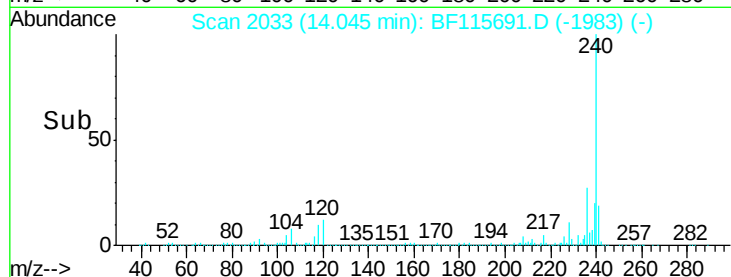
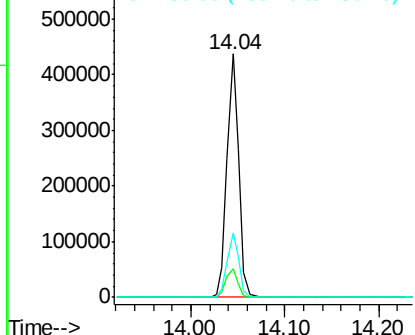
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115691.D
Acq: 20 Jul 2019 00:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 379161
Ion Ratio Lower Upper
240 100
120 11.6 8.6 13.0
236 26.7 21.3 31.9

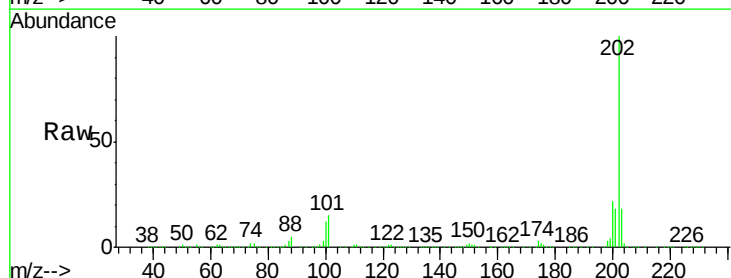


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

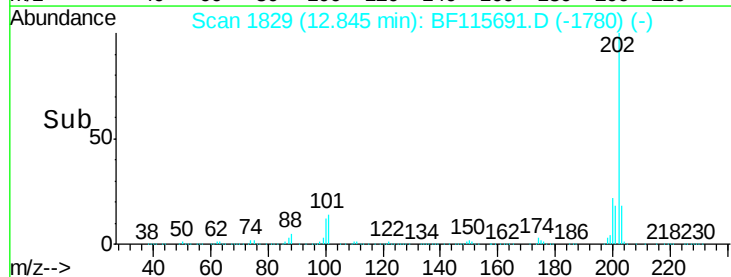
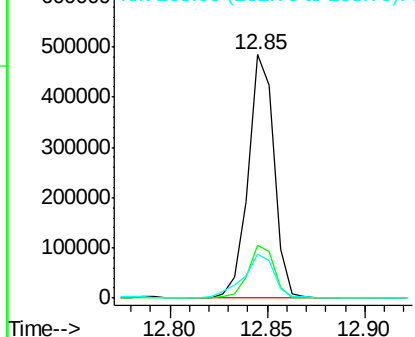


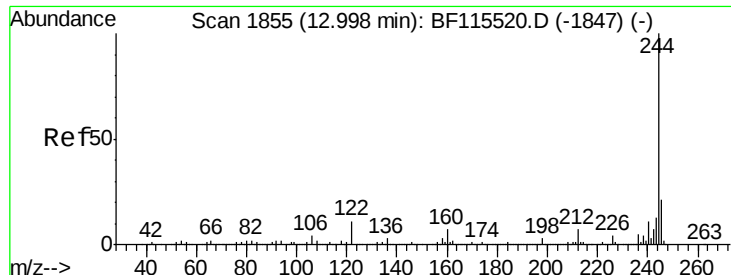
#78
Pyrene
Concen: 13.853 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115691.D
Acq: 20 Jul 2019 00:07

Tgt Ion:202 Resp: 445009
Ion Ratio Lower Upper
202 100
200 21.6 18.7 28.1
203 18.0 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

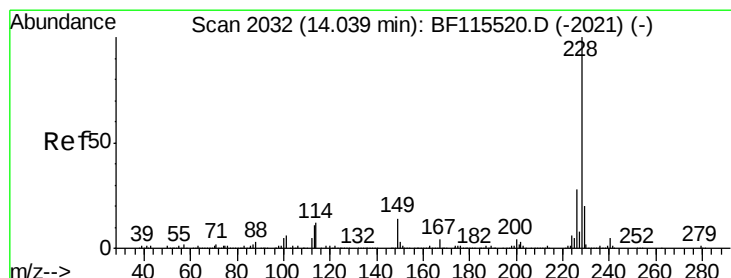
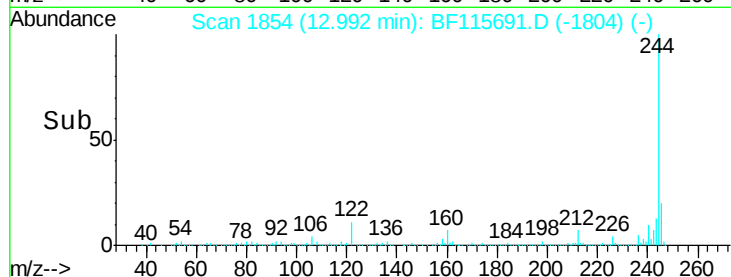
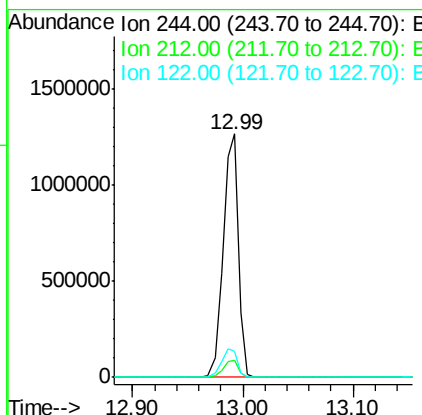
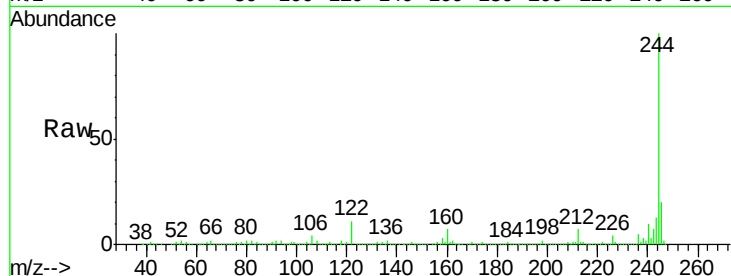




#79
 Terphenyl-d14
 Concen: 59.017 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF115691.D
 Acq: 20 Jul 2019 00:07

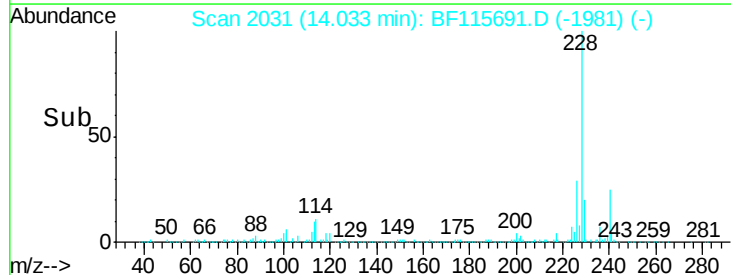
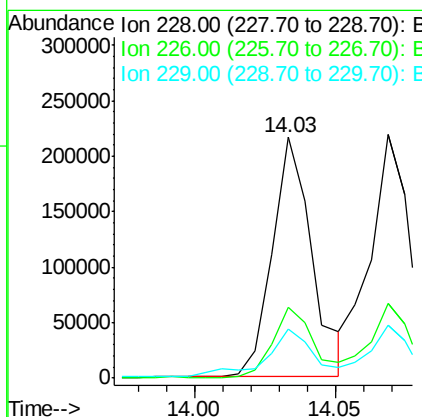
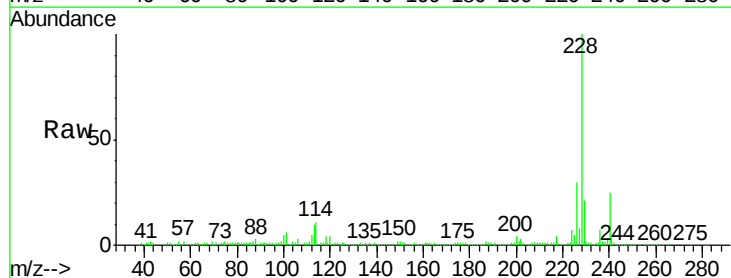
Instrument :
 BNA_F
 ClientSampleId :

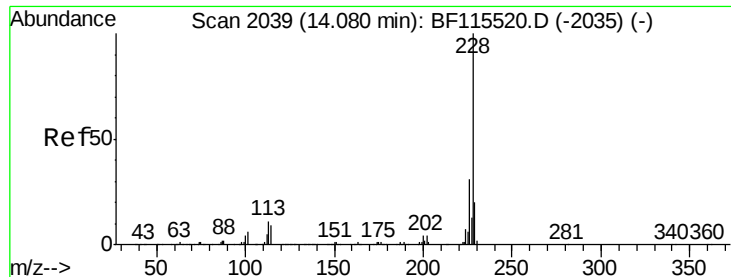
Tot Ion:244 Resp: 1212728
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 10.6 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 8.447 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF115691.D
 Acq: 20 Jul 2019 00:07

Tgt Ion:228 Resp: 211004
 Ion Ratio Lower Upper
 228 100
 226 29.6 23.4 35.0
 229 20.6 17.2 25.8





#83

Chrysene

Concen: 8.363 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF115691.D

Acq: 20 Jul 2019 00:07

Instrument :

BNA_F

ClientSampled :

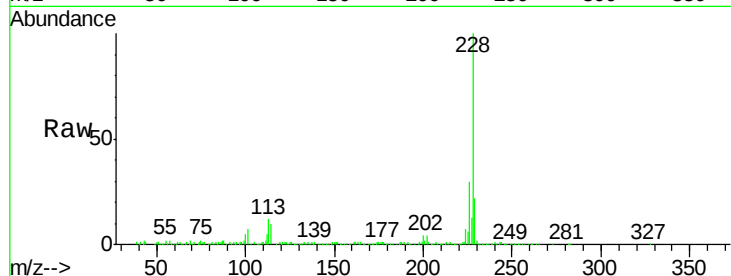
Tot Ion:228 Resp: 209707

Ion Ratio Lower Upper

228 100

226 30.4 25.7 38.5

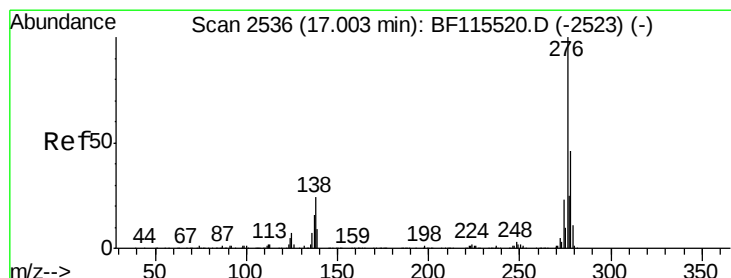
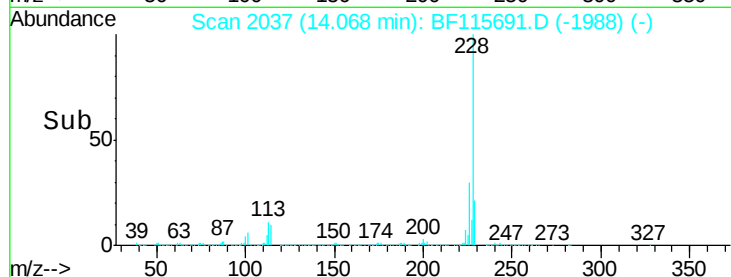
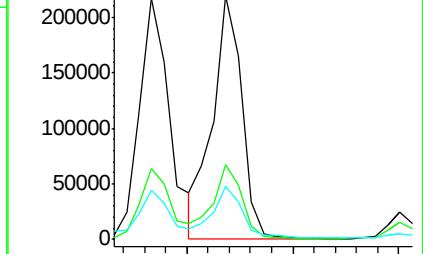
229 21.8 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.298 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF115691.D

Acq: 20 Jul 2019 00:07

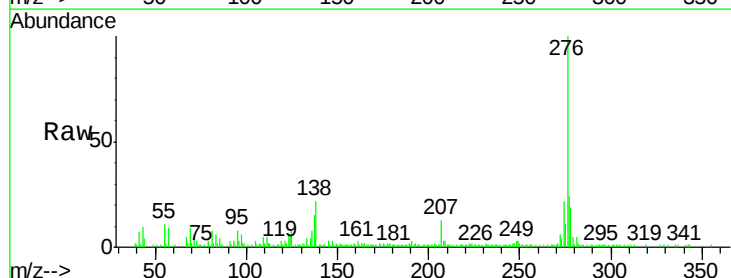
Tgt Ion:276 Resp: 91562

Ion Ratio Lower Upper

276 100

138 23.2 20.2 30.2

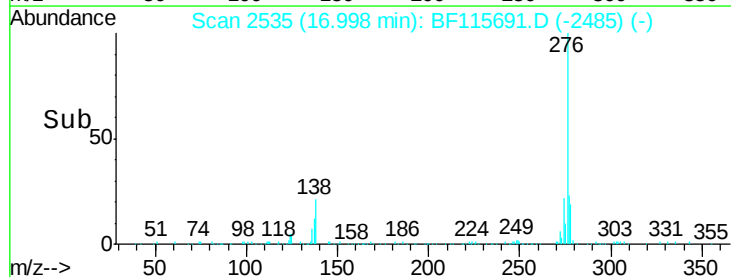
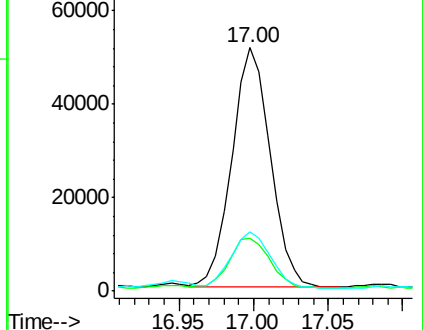
277 24.5 20.4 30.6

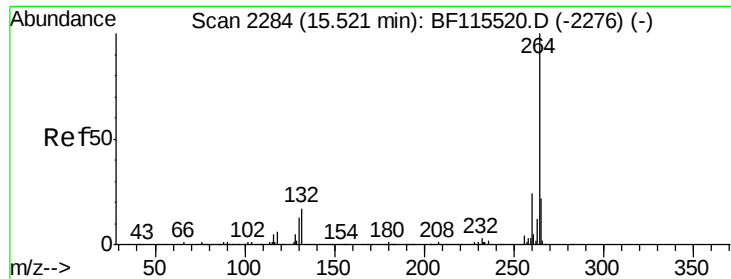


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

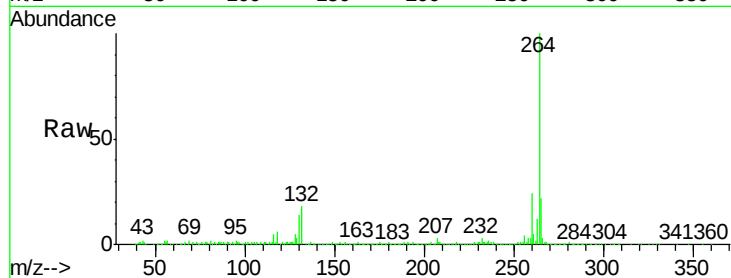




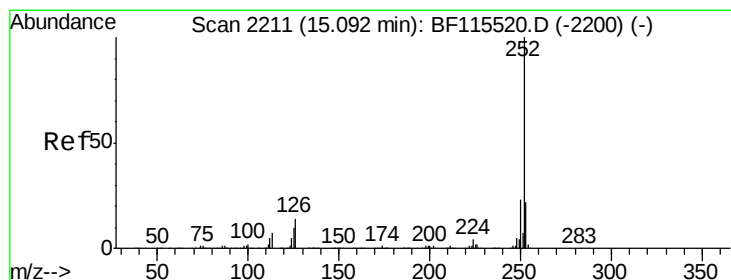
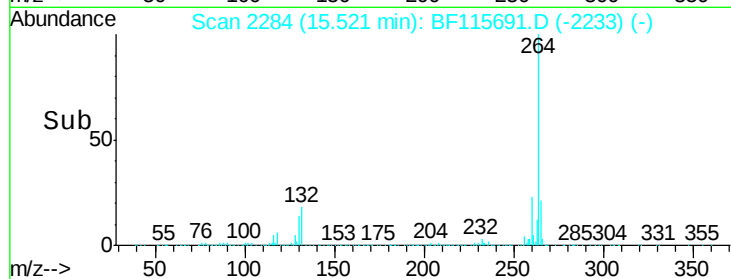
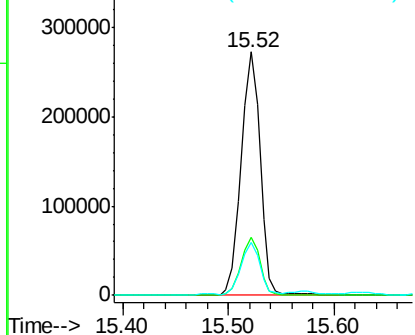
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF115691.D
Acq: 20 Jul 2019 00:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.8	29.8
265	21.6	17.7	26.5

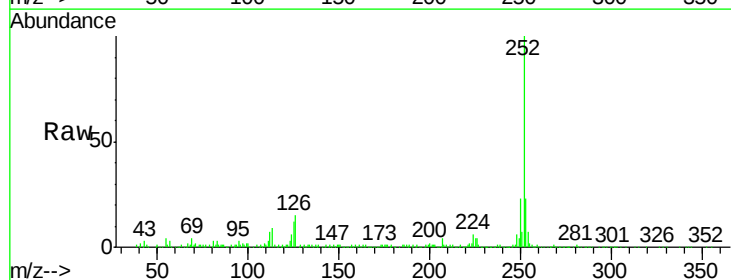


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

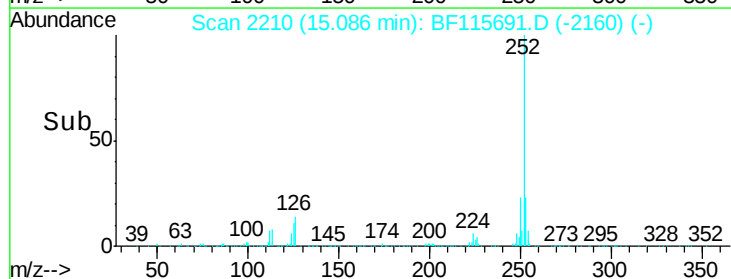
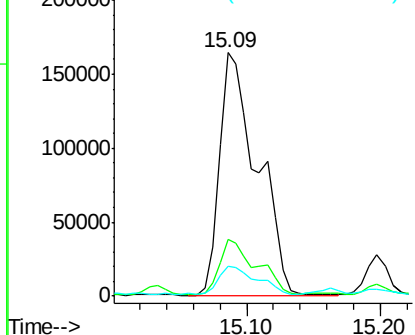


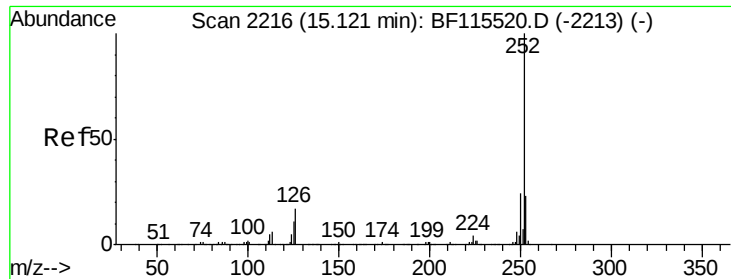
#88
Benzo(b)fluoranthene
Concen: 14.823 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115691.D
Acq: 20 Jul 2019 00:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	12.2	9.0	13.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

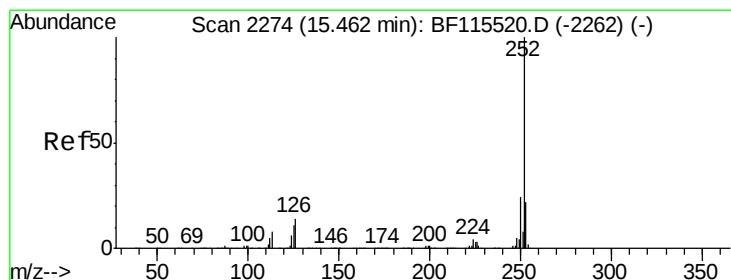
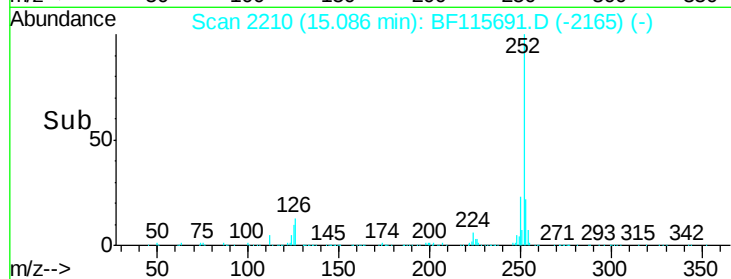
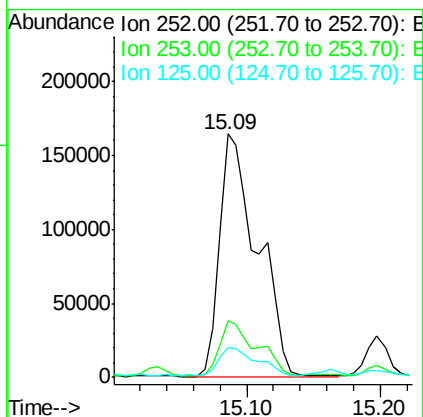
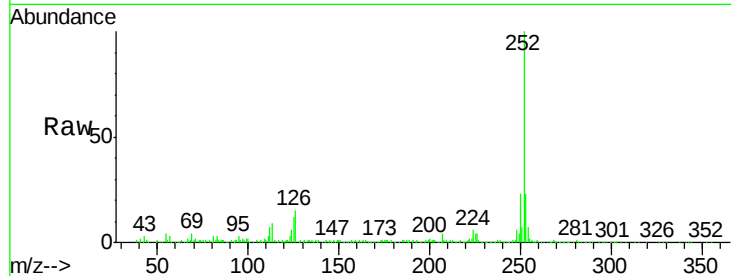




#89
Benzo(k)fluoranthene
Concen: 16.626 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF115691.D
Acq: 20 Jul 2019 00:07

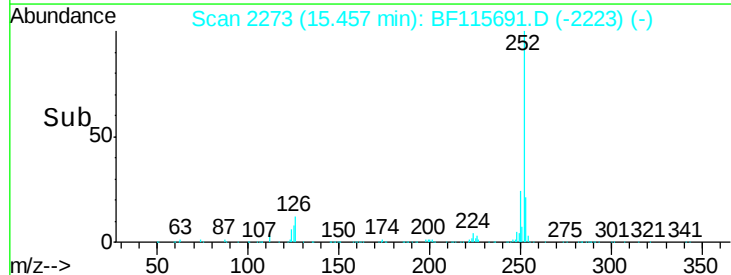
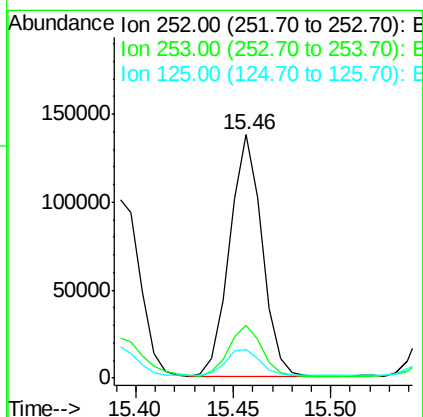
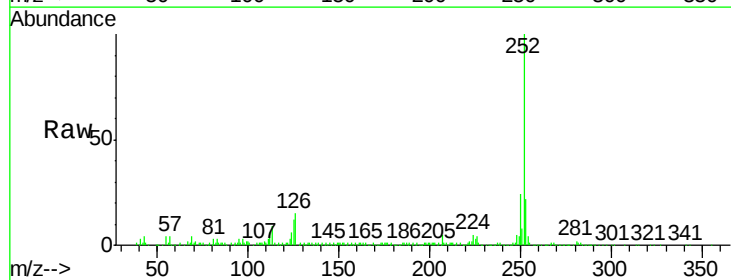
Instrument :
BNA_F
ClientSampleId :

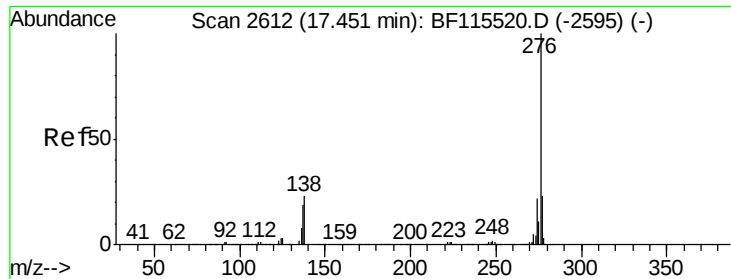
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	28.0
125	12.2	9.0	13.6



#90
Benzo(a)pyrene
Concen: 8.387 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF115691.D
Acq: 20 Jul 2019 00:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	11.5	9.1	13.7

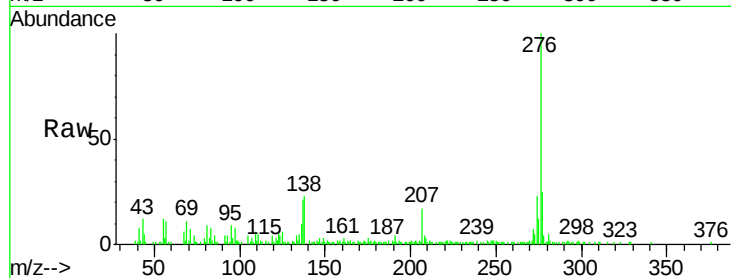




#92
 Benzo(a,h,i)perylene
 Concen: 5.717 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. -0.01 min
 Lab File: BF115691.D
 Acq: 20 Jul 2019 00:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.5	19.0	28.4	
138	22.7	17.2	25.8	



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

